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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,874	07/28/2003	Ranald J. Hay	1595-001	5578
7590 05/04/2005		EXAMINER		
Steven R. Bartholomew, Esq. 63 Amberfield Road			PRITCHETT, JOSHUA L	
Trenton, NJ 08691-3639			ART UNIT	PAPER NUMBER
,		•	2872	

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/629,874	HAY, RANALD J.			
Office Action Summary	Examiner	Art Unit			
	Joshua L. Pritchett	2872			
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet wit	th the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a included in the period for reply is specified above, the maximum statutory perions for reply within the set or extended period for reply will, by state any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a re reply within the statutory minimum of thirty od will apply and will expire SIX (6) MONT tute, cause the application to become ABA	eply be timely filed (30) days will be considered timely. FHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on 25	February 2005.				
2a)⊠ This action is FINAL . 2b)□ T	his action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) 1-20 is/are pending in the application 4a) Of the above claim(s) is/are with definition 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-20 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and	Irawn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the Exam 10) ☑ The drawing(s) filed on 28 July 2003 is/are: Applicant may not request that any objection to to the Replacement drawing sheet(s) including the corrupt of the oath or declaration is objected to by the	a) accepted or b) object he drawing(s) be held in abeyand ection is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a least	ents have been received. ents have been received in Apriority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stage			
Attachment(s)	_				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	ummary (PTO-413))/Mail Date				
Notice of Draitsperson's Patient Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB//Paper No(s)/Mail Date		formal Patent Application (PTO-152)			

DETAILED ACTION

This action is in response to Amendment after non-final rejection filed February 25, 2005. Claims 1, 2, 6, 7, 11, 14, 17 and 19 have been amended as requested by the applicant.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jasgur (US 3,567,309).

With regard to claims 1, 6, 11, and 14, Jasgur discloses the invention as claimed--both a system and, by straightforward extension of the structural teachings of same, a method for enhancing visibility in the presence of specular media, said system (which in use meets the claimed method teachings) comprising: (a) a light source (light source 19 in Fig. 2) including, or coupled to, a source polarization mechanism (id. first polarizing means 2 1) for generating polarized light that is substantially polarized at a light source polarization angle (see Fig. 2); (b) an observation filter (id. : second polarizing means 23) having a filter polarization angle of (read

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an observation filter having a filter polarization angle corresponding to) (i) substantially maximum light attenuation, or (ii) substantially minimum light attenuation (both of these conditions (i.e., (i) and (ii)) being equally achievable via appropriate rotation of observation filter 23 of Jasgur; Jasgur lacks specific reference to adjusting the filter polarization angle. Jasgur, however, does provide an explicit teaching of a mechanism--namely, the small rotating tab 24 arcuately moveable in slot 25--for adjusting the filter polarization mechanism (and thus, simultaneously, said filter polarization angle) relative to said source polarization mechanism (read: angle). See column 3, lines 33-39. Jasgur further teaches improving visual contrast between a distant scene and the interposing specular media by reducing or minimizing glare from the interposing specular media without regard to reducing reflectivity from any specularly reflecting object in the distant scene (col. 1 lines 61-64), and wherein the distant object is situated at least two meters from the observation filter (col. 2 lines 5-7). The examiner interprets the Jasgur statement, "glare and other undesired reflections" to mean that the Jasgur invention does in fact filter out visual noise from interposing specular media. The examiner interprets the objective of "magnifying means so that even greater detailed observation can be made" to mean that the Jasgur reference is capable of viewing objects from a distance of at least two meters. It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified both the system and, by extension, the implicit method teachings of Jasgur such that a mechanism for adjusting the source polarization mechanism relative to the filter polarization angle--such teaching already explicitly disclosed by Jasgur w/r/t the orientation of said observation filter--for at least the purpose polarization angle relative to the filter polarization angle so as of varying the source to achieve improved visual contrast of specular

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media. Moreover, it would have also been obvious to one having ordinary skill in the art at the time the invention was made to have so modified the invention of Jasgur for such purpose, since it has been held that the provision of adjustability, where needed, involves only routine skill in the art. In re Stevens, 101 USPQ 284 (CCPA 1954).

With regard to dependent claims 2 and 7, it is noted that although Jasgur does not expressly disclose wherein said interposing specular media comprise at least one of water droplets, ice, snow, fog, rain, sleet, hail, dirt, metallic particles, and particles of sand, the reference does disclose a system for enhancing visibility in the presence of specular media, and even though a particular object of the invention is to provide a viewing device adapted for use by doctors, dentists, and biologists for examination of tissue, external skin area, internal mucous membranes, and the like (see col. 1, 69-72), such uses of the invention are merely exemplary and one can easily imagine the invention of Jasgur being used, for the sake of example, by a geologist, in which case said interposing specular media would indeed comprise at least one of dirt, metallic particles, particles of sand, etc. in point of fact, since virtually all volumes of air that haven't been subjected to extreme filtering processes contain (under favorable viewing conditions) visible quantities of one reasonably could assert that even when used by doctors. dentists, and biologists, the invention of Jasgur is used in environments in which specular media comprising at least one of dirt etc., is/are indeed interposed between an object to be viewed and said system.

With regard to claims 3-5 and 8-10, Applicant is again apprised that the provision of adjustability, where needed, involves only routine skill in the art. In re Stevens, 101 USPQ 284 (CCPA 1954).

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With regard to claims 12 & 15, Jasgur provides, implicitly if not explicitly, the recited teachings wherein said source polarization mechanism polarizes light at an angle within approximately thirty degrees of perpendicular to said glare-producing surface.

With regard to claims 13 & 16, it is again noted that the application of the invention of Jasgur is not limited to doctors, dentists, and biologists. For this reason, one can reasonably imagine said invention being utilized in environments in which said glare-producing surface would be at least one of the surface of a body of water, a concrete surface, an asphalt surface, and a surface of a building.

With regard to independent claims 17 & 19, Jasgur discloses the invention as claimed and discussed above in the rejection of claims 1, 6, 11 and 14 EXCEPT FOR explicit teachings wherein said invention (both system and method) is infrared-based for enhancing night vision in the presence of an object that produces infrared glare. Night vision systems, however, are notoriously old and well known in the viewing art, as are sources, polarizers, and filters of infrared light, and the extension of the teachings of Jasgur to applications in which glare results not from a source of visible light but instead from a source of infrared light amounts, in essence, to a straightforward extension of the visible-light teachings disclosed by Jasgur to the infrared region of the electromagnetic spectrum. Alternatively, since incandescent sources of light (like that depicted as 19 in Fig. 2 of Jasgur) emit a majority of their photons in the infrared region of the electromagnetic spectrum, and further since many individuals can visually perceive at least near-infrared radiation (700-780 nm), one could reasonably assert that Jasgur does in fact explicitly teach an invention (system and method) that comprises an infrared light source and associated IR filter and polarizer that, taken together,

mitigate glare both in the visible and infrared regions of the electromagnetic spectrum (the enhancing night vision/visibility limitations recited in the preambles of these claims qualifying merely as intended uses of said invention and, as such, not having been afforded patentable weight).

And finally, with regard to claims 18 & 20, Applicant is again apprised that the provision of adjustability, where needed, involves only routine skill in the art. In re Stevens, 101 USPQ 284 (CCPA 1954).

Response to Arguments

Applicant's arguments filed February 25, 2005 have been fully considered but they are not persuasive.

On pages 13 and 17 of Amendment, applicant argues that Jasgur focuses only on the object viewed and not the interposing specular media. Applicant further argues that the current invention does not require a shiny object in the distance. The examiner interprets Jasgur's statement of "glare and other undesired reflections" to mean that the object viewed is not the only reflective material considered by the Jasgur invention. The open ended claim language allows the claim limitations to be interpreted to include a shiny object in the distance and therefore the prior art meets the claim limitations. If the applicant wishes to exclude such an interpretation the applicant is advised to change the claim language to a closed phrase such as "consisting of" or provide a limitation that prohibits the presence of a shiny object in the distant.

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On page 14 of Amendment, applicant argues that Jasgur teaches 2-D viewing of the object while the current invention in a 3-D viewing of the object. There are no claim limitations directed to either 2-D or 3-D viewing in the current application.

On page 14 of Amendment, applicant argues that Jasgur is not capable of viewing at greater than 2 meters. Based on the Jasgur statement, "magnifying means so that even greater detailed observation can be made," the examiner interprets the Jasgur invention as capable of viewing an object from greater than 2 meters.

On page 15 of Amendment, applicant argues that the current invention is operable on ambient light while Jasgur is not. There are no claim limitations regarding the use of ambient light in the current application. Furthermore, ambient light is always present expect in the case of a completely dark room in which case no viewing apparatus would function because the observer would not be able to see. Therefore, the Jasgur invention is also capable of operating with ambient light.

On page 15 of Amendment, applicant argues that fog, snow or heavy rain would entirely consume the illumination of the Jasgur light source. The claim limitations do not require the light source to be functional in snow, fog or heavy rain. The use of the phrase "at least one of" allows the interpretation of the claim to include any of the combinations provided. Furthermore, there is no recitation in the claim language as to the quantity of the interposing specular media. Therefore a single snow flake could constitute the claim limitation for snow, which the examiner believes the Jasgur invention would indeed satisfy.

On pages 16 and 17 of Amendment, applicant argues that the difference between the source polarization angle and the filter of the current invention may be other than 90-degrees,

whereas Jasgur requires a difference of 90-degrees. The limitations regarding the difference in the polarization angle and the filter have been cancelled from the claims and therefore this argument is moot.

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Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua L. Pritchett whose telephone number is 571-272-2318. The examiner can normally be reached on Monday - Friday 7:00 - 3:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew A. Dunn can be reached on 571-272-2312. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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